

## **REGULATION II – PERMITS AND FEES**

### **RULE 242**

#### **EMISSION REDUCTION CREDITS FOR PAVING UNPAVED ROADS**

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**MARICOPA COUNTY  
AIR POLLUTION CONTROL REGULATIONS**

**REGULATION II – PERMITS AND FEES**

**RULE 242  
EMISSION REDUCTION CREDITS FOR PAVING UNPAVED ROADS**

**SECTION 100 – GENERAL**

- 101 PURPOSE:** To establish procedures for the calculation of ~~particulate matter at less than 10 microns (PM10)~~ emission reduction credits of particulate matter at 10 microns or less (PM10) to be used as emission offsets through the voluntary paving of unpaved roads.
- 102 APPLICABILITY:** This rule applies to persons who voluntarily elect to generate PM10 emission reduction credits by paving unpaved roads in the PM10 non-attainment area and persons who wish to utilize emission reduction credits as offsets for the construction of new major stationary sources or major modifications to existing major stationary sources.

**SECTION 200 – DEFINITIONS:** For the purpose of this rule the following definitions shall apply. See Rule 100 (General Provisions and Definitions) of these rules for definitions of terms that are used but not specifically defined in this rule.

**201 EMISSION REDUCTION CREDIT (ERC) - A certified unit that may be banked, sold, transferred, withdrawn or retired.**

**202 ROADWAY SEGMENT - A section of roadway between two defined points, usually a mile.**

**SECTION 300 – STANDARDS**

**301 EMISSION REDUCTION CALCULATION**

**301.1 Net Emissions Change:** The emission reduction associated with the paving of a segment of unpaved road shall be calculated as the difference, in tons per year, between the emissions from the road in the unpaved condition and the emissions from the road in the paved condition.

**301.2 Vehicular Traffic Calculation:** A source seeking ERCs shall measure vehicular traffic in accordance with Section 501 of this rule. For each road segment, the source shall calculate vehicle miles traveled per day (vmt/day) by multiplying traffic count

results by the length of the road segment in miles to the nearest 1/10 of a mile.

**301.3 Emission Factor Calculation:** To determine the difference in emissions from the road in its ~~paved~~ unpaved condition and the road in its ~~unpaved~~ paved condition, a person shall use the emission factors contained in the current approved State Implementation Plan (SIP) for the Arizona-Maricopa County PM10 non-attainment area and those described in the EPA's "Compilation of Air Pollutant Emission Factors", often known as AP-42.

## **302 EMISSION REDUCTION CREDIT GENERATION**

**302.1 Credit Certification:** The Control Officer may certify an emission credit if he/she verifies the credit is based on all of the following:

- a. An emission reduction that is permanent, as evidenced by any of the following executed agreements between:  
~~enforceable agreement between~~
  1. The source utilizing the ERCs, ~~or generator~~ with the local government, that the source will pave the unpaved road in the local government's transportation network and road maintenance program.
  2. The source utilizing the ERCs, with the private road owner(s) and the local government, to pave the road to local government standards and for the local government to adopt the road into its transportation network and road maintenance program within 1 year of paving. I
  3. The source utilizing the ERCs, with the private road owner(s) to pave the road, to continue to maintain the paved road to the standard specified in the agreement within 1 year of paving; and to accept a deed restriction wherein the road will continue to remain paved and maintained to the standard specified in the agreement.
- b. An emission reduction that is enforceable by the Administrator upon approval of this rule into the Arizona SIP; and

- c. A surplus emission reduction, which is an emission reduction not required by current regulations in the SIP, not already relied upon by a local government for SIP planning purposes, and not used by the source to meet any other regulatory requirement including, at the time ERCs are used, Reasonable Available Control Technology(RACT), Reasonable Further Progress (RFP), milestones, or demonstrations of attainment; and
- d. A reduction in actual emissions, quantified by the methods listed in Section 301 of this rule.

**302.2** The source requesting the emission reduction credits ~~or generator must~~ shall notify the Control Officer when the emission reduction occurs and also when the local government adopts the road into its road maintenance program.

~~**302.3** The source or generator shall notify the Control Officer when a municipality adopts the paved road into its road maintenance program.~~

#### **SECTION 400 – ADMINISTRATIVE REQUIREMENTS (Not applicable)**

#### **SECTION 500 – MONITORING AND RECORDS**

**501 TRAFFIC COUNT MONITORING** – ~~F~~for the purpose of calculating vmt/day for credit calculations, a source requesting emission credits shall ~~monitor~~ conduct traffic counts on each segment of road that is to be paved for a minimum of one consecutive 24-hour non-holiday, non-weekend period.

**502 TRAFFIC COUNT RECORDS** – ~~A~~a source ~~seeking~~ requesting emission reduction credits for the paving of unpaved roads shall submit written records of vehicle counts as ~~monitored~~ conducted according to Section 501 of this rule.